

Anti-HK2 / Hexokinase 2 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17352**Specification**

Anti-HK2 / Hexokinase 2 Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P52789
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	102380

Anti-HK2 / Hexokinase 2 Antibody - Additional Information**Gene ID 3099**Alias Symbol **HK2****Other Names**

HK2, Hexokinase II, Hexokinase type II, Hexokinase-2, muscle, HK II, HXK2, Hexokinase-2, Muscle form hexokinase, Hexokinase 2, HKII, Hxk 2

Target/Specificity

Human HK2 / Hexokinase 2

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions

Anti-HK2 / Hexokinase 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-HK2 / Hexokinase 2 Antibody - Protein Information**Name** HK2 ([HGNC:4923](#))**Function**

Catalyzes the phosphorylation of hexose, such as D-glucose and D-fructose, to hexose 6-phosphate (D-glucose 6-phosphate and D-fructose 6-phosphate, respectively) (PubMed: [23185017](http://www.uniprot.org/citations/23185017), PubMed: [26985301](http://www.uniprot.org/citations/26985301), PubMed: [29298880](http://www.uniprot.org/citations/29298880)). Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate (PubMed: [29298880](http://www.uniprot.org/citations/29298880)). Plays a key role in maintaining the integrity of the outer mitochondrial membrane by preventing the release of apoptogenic molecules from the intermembrane space and subsequent apoptosis

(PubMed:18350175).

Cellular Location

Mitochondrion outer membrane; Peripheral membrane protein. Cytoplasm, cytosol Note=The mitochondrial-binding peptide (MBP) region promotes association with the mitochondrial outer membrane (PubMed:29298880) The interaction with the mitochondrial outer membrane via the mitochondrial-binding peptide (MBP) region promotes higher stability of the protein (PubMed:29298880). Release from the mitochondrial outer membrane into the cytosol induces permeability transition pore (PTP) opening and apoptosis (PubMed:18350175).

Tissue Location

Predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal muscle

Anti-HK2 / Hexokinase 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-HK2 / Hexokinase 2 Antibody - Images